Lab Exercise 7

Creating Multiple IAM Users in Terraform

1. Create a Terraform Directory:

2. Create a Terraform Configuration File (main.tf):

```
≡ Extension: HashiCorp Terraform
main.tf
🍸 main.tf > ધ resource "aws_iam_user" "iam_users"
       provider "aws" {
       region = "us-east-2"
        access key = "AKIAVRUVV37F66GBPTT4"
       secret_key = "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"
       variable "iam_users" {
        type = list(string)
       default = ["user1", "user2", "user3"]
       resource "aws_iam_user" "iam_users" {
       count = length(var.iam_users)
        name = var.iam_users[count.index]
        tags = {
       Name = "${var.iam_users[count.index]}-user"
 16
```

3. Initialize and Apply:

```
PS E:\terraform-iam-users> terraform init

Initializing the backend...

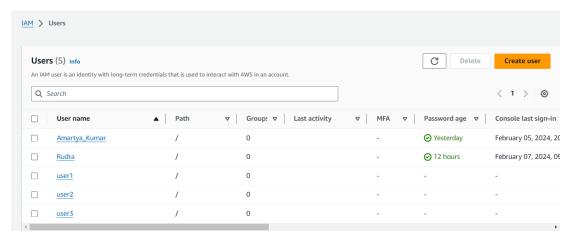
Initializing provider plugins...
- Reusing previous version of hashicorp/aws from the dependency lock file
- Using previously-installed hashicorp/aws v5.35.0

Terraform has been successfully initialized!

You may now begin working with Terraform. Try running "terraform plan" to see any changes that are required for your infrastructure. All Terraform commands should now work.

If you ever set or change modules or backend configuration for Terraform, rerun this command to reinitialize your working directory. If you forget, other commands will detect it and remind you to do so if necessary.
```

```
+ tags_all
                         = {
           + "Name" = "user2-user"
       + unique_id = (known after apply)
  # aws_iam_user.iam_users[2] will be created
   + resource "aws_iam_user" "iam_users" {
       + arn
                        = (known after apply)
       + force_destroy = false
                         = (known after apply)
       + id
                         = "user3"
       + name
                        = "/"
= {
       + path
         tags
            + "Name" = "user3-user"
       + tags_all
                        = {
            + "Name" = "user3-user"
       + unique_id
                         = (known after apply)
Plan: 3 to add, 0 to change, 0 to destroy.
Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.
  Enter a value: yes
aws_iam_user.iam_users[1]: Creating...
aws_iam_user.iam_users[2]: Creating...
aws_iam_user.iam_users[0]: Creating...
aws_iam_user.iam_users[2]: Creation complete after 2s [id=user3]
aws_iam_user.iam_users[0]: Creation complete after 2s [id=user1]
aws_iam_user.iam_users[1]: Creation complete after 3s [id=user2]
Apply complete! Resources: 3 added, 0 changed, 0 destroyed.
PS E:\terraform-iam-users>
```



4. Clean Up:



